-3- (WPAT)
AN - 87-233307/33
XRAM- C87-098868
XRPX- N87-174301
TI - Novel stomatological electrode for dental testing - involves connecting contact element with mobile pin and using paraffin, colophony, zinc oxide as housing insulator
DC - D21 S05 P31
PA - (STOM=) STOMATOLOGY RES INS
IN - CHERTYKOVT VN
NP - 1
PN - SU1277950-A 86.12.23 (8733)
PR - 85.08.08 85SU-940169
AP - 85.08.08 85SU-940169
IC - A61B-005/05
AB - (SU1277950)
Stomatological investigation is conducted by using an electrode comprising an insulating housing and a contact element. Disturbance caused by the electrode sticking to the tooth surface with the thermoplastic mass is reduced and problems which arise because of deviation of the contact element and the wetting of the tooth surface are eliminated, by constructing the element as follows: the housing is constructed with an aperture through which a pin passes, which can move and which is joined to the contact element. The space in the housing is filled with the following electrically insulating formulation (per cent) paraffin 10-15, colophony 20-25, and balance - ZnO.

The electrode comprises contact element (1), pin (2), thermoplasti mass (3), aperture (4) and housing (5) of insulating material. During operation, a layer of electrically conducting paste is applied to contac element (1). Housing (5) is displaced around pin (2) in order that contact element (1) should protrude on the surface of thermoplast (3). The electrode is clamped to the tooth so that the housing is displaced around pin (2) to the tooth surface on which contact element (1) rests. The thermoplast then coats the contact element and bonds with the tooth enamel, which secures reliable insulation of the contact element and fixation of the electrode on the region under investigation.

ADVANTAGE - The patented stomatological electrode is so constructe as to eliminate sources of disturbance during dental testing.
Bul.47/23.12.86 (2pp Dwg.No 1/1)

SS 7?